

ABSTRACT OF THE DISCLOSURE

Since a pair of units associated with an antenna unit and a base processing unit is separately placed at a various distance with each other, communication signals also attenuate at a various rate. The amplification gain is adjusted at one unit based upon a receiving signal and a predetermined reception sensitivity level until a desirable amplification is achieved. The desirable amplification value is then transmitted to the other unit to be utilized for reciprocal communication at a desired level between the two units.